

associated polymorphisms, changes in gene expression that frequently precede a disease state, as well as genetic profiling of tumor subtypes (see, for example, Hacia, J.G., *Nature Genetics* 21(Suppl):42-47 (1999); Heiskanen, M.A. et al., *Cancer Research* 60:799-802 (2000); Pollack, J. et al., *Nature Genetics* 23:41-46 (1999); DeRisi, J., et al., *Nature Genetics* 14:457-460 (1996); Berns, A., *Nature* 403:491-492 (2000); and Alizadeh, A.A. et al., *Nature* 403:503-511 (2000); Marx, J., *Science* 289:1670-1672 (2000)).

Please replace the paragraph beginning at page 18, line 20, with the following rewritten paragraph:

The technique of laser-capture microdissection (LCM) is preferred for cell collection (see, for example, Emmert-Buck, M.R. et al., *Science* 274:998-1001 (1996); Simone, N.L. et al., *Trends in Genetics* 14:272-276 (1998); Glasow, A. et al., *Endocrine Research* 24:857-862 (1998); WO 0028092 (priority date November 5, 1998); Luo, L. et al., *Nature Medicine* 5:117-122 (1999); and Arcturus Engineering, Inc., www.arctur.com, last visited March 20, 2001). LCM was developed to provide a method for obtaining pure populations of cells from specific microscopic regions of tissue sections under direct visualization (Simone, N.L. et al., *supra*). For the purposes of the invention and the present examples, the cells of interest were transferred to a polymer film activated by laser pulses, a technique that maintained the integrity of the RNA, DNA, and proteins of the collected cells. The transferred cells were used for the isolation of total cellular RNA for subsequent use in the preparation of control nucleic acid probes and test nucleic acid probes. The LCM device used for the examples disclosed here was from Arcturus Engineering, Inc., (Mountain View, CA, USA).

REMARKS

Formal Matters

Claims 1-40 are pending in the application.

Petition to Correct Inventorship under 37 CFR § 1.48(b)

Applicants submit herewith a petition and fees to correct inventorship under 37 CFR § 1.48(b) to delete the name of David G. Lowe because he is not an inventor of the subject matter of the currently pending claims.